Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/30/2017 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123903	-1	1.27	123780	1.26
Blue	F	SSC	125000	122777	-2	2.45	123098	2.21
Blue	E	FITC	23795	22878	-4	2.45	1017	10.47
Blue	D	PE	29673	28994	-3	2.00	1040	10.14
Blue	B	PerCP-Cy5-5	48943	48129	-2	3.29	1385	17.36
Blue	A	PE-Cy7	44112	43212	-3	5.17	668	36.11
Red	C	APC	54273	53510	-2	2.73	3110	9.59
Red	A	APC-Cy7	54945	53305	-3	2.72	1105	11.45
Violet	B	V450	15756	14825	-6	4.40	709	8.99
Violet	A	V500	62569	59718	-5	4.17	2640	6.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19625	2.76	611	-3	N/A	N/A	Pass
Blue	F	SSC	60826	1.54	545	-1	N/A	N/A	Pass
Blue	E	FITC	115	40.90	549	-1	0.0203	266	Pass
Blue	D	PE	228	30.17	546	0	0.1512	257	Pass
Blue	B	PerCP-Cy5-5	218	47.01	638	-1	0.0096	133	Pass
Blue	A	PE-Cy7	70	131.48	694	-5	0.0117	30	Pass
Red	C	APC	363	27.65	600	0	0.0193	35	Pass
Red	A	APC-Cy7	121	42.77	578	-6	0.0053	1882	Pass
Violet	B	V450	86	43.61	473	1	0.0542	2531	Pass
Violet	A	V500	193	25.90	501	2	0.0148	1315	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.25	0.84
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.18	13.27 - 19.91	N/A	N/A	31.29	31.78	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10043

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments